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34 Belgrave Mews South, SW1X 8BT. Excavation to form a subterranean/basement extension with lightwell at 34 Belgrave Mews.

Sustainable Design Statement

This statement is required to assess how the proposed design at 34 Belgrave Mews positively addresses the sustainable design principles set out in Policy 38D in the City Plan 2019-2040.

This policy describes how the development shall *'enable the extended lifetime of buildings and spaces and respond to the likely risks and consequences of climate change by incorporating principles of sustainable design'*.

The proposal seeks to construct a new basement extension to the house, the additional space will make for more flexible high-quality space.

The materials used will be high-quality durable materials which will increase the longevity of the property.

The Slimlite double glazing proposed, is appropriate for the type of house and will be substantially more efficient than the existing single glazed windows.

The new basement will be insulated and therefore more thermally efficient than the uninsulated existing building.

As the property is existing, and the proposal is for a new basement extension, it is not possible, or technically feasible to achieve a zero-carbon development. Where possible, however, carbon reduction targets shall be addressed.

The proposal will also be designed to minimise the risk of internal overheating. This will be through ensuring that new glazing meets required u-values, and SAP calculations will be completed where required.